

Title (en)

METHOD FOR GENERATING LOGARITHMIC CURVE, AND DEVICE AND STORAGE MEDIUM

Title (de)

VERFAHREN ZUR ERZEUGUNG EINER LOGARITHMISCHEN KURVE UND VORRICHTUNG UND SPEICHERMEDIUM

Title (fr)

PROCÉDÉ DE GÉNÉRATION DE COURBE LOGARITHMIQUE, ET DISPOSITIF ET SUPPORT DE STOCKAGE

Publication

EP 4274249 A4 20240605 (EN)

Application

EP 22896825 A 20221226

Priority

- CN 202210255727 A 20220315
- CN 2022142068 W 20221226

Abstract (en)

[origin: EP4274249A1] Embodiments of this application provide a logarithmic curve generation method, a device, and a storage medium. The method includes: determining a dynamic range of a photosensitive element of a mobile device and a coding depth of the mobile device; obtaining a plurality of numerical points within the dynamic range, where each numerical point includes a stop within the dynamic range and a corresponding code value; and performing curve fitting based on the plurality of numerical points to obtain a log curve, where when the mobile device shoots in a log mode, the log curve is used to convert, into a code value, a raw signal that is output by the photosensitive element and that indicates brightness. According to this solution, the dynamic range of the photosensitive element of the mobile device is detected, and the logarithmic curve is generated based on this to obtain the log curve satisfying photosensitive element performance of the mobile device. This helps fully utilize a capability of the photosensitive element of the mobile device during imaging.

IPC 8 full level

H04N 23/667 (2023.01); **H04N 23/741** (2023.01); **H04N 23/82** (2023.01)

CPC (source: EP)

H04N 23/667 (2023.01); **H04N 23/741** (2023.01); **H04N 23/82** (2023.01)

Citation (search report)

- [A] US 2018084177 A1 20180322 - HYODO MANABU [JP], et al
- [A] US 2006158529 A1 20060720 - KATAGIRI TETSUYA [JP]
- See also references of WO 2023173882A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

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DOCDB simple family (publication)

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